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|--|--|---|--|---|--|
| FORM PTO-1390 (REV. 9-2001) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER PUG201 | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/554238 | |
| INTERNATIONAL APPLICATION NO. PCT/DE 2004/001821 | | INTERNATIONAL FILING DATE AUGUST 13 2004 | | PRIORITY DATE CLAIMED AUGUST 15, 2003 | |
| TITLE OF INVENTION METHOD FOR THE DETECTION OF LEGIONELLA - TYPE BACTERIA | | | | | |
| APPLICANT(S) FOR DO/EO/US ANTJE BREITENSTEIN | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | | |
| Items 11 to 20 below concern document(s) or information included: | | | | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: | | | | | |

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NUMBER

10/554238

21. ☐ The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO
and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

CALCULATIONS PTO USE ONLY

\$ 640.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ |
|---|--------------|--------------|------------|------------------------------|
| Total claims | - 20 = | | x \$18.00 | \$ |
| Independent claims | - 3 = | | x \$80.00 | \$ |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$270.00 | \$ |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 640.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ |
| SUBTOTAL = | | | | \$ |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ |
| TOTAL NATIONAL FEE = | | | | \$ |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | | | \$ |
| TOTAL FEES ENCLOSED = | | | | \$ 640.00 |
| | | | | Amount to be refunded: \$ |
| | | | | charged: \$ |

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 11-0224. A duplicate copy of this sheet is enclosed.

d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Horst M. Kasper
13 Forest Drive
Warren, N.J. 07059

SIGNATURE

HORST M. KASPER

NAME

28,559

REGISTRATION NUMBER

10-21-05

10/554238PT



JC20 Rec'd PCT/PTO 20 OCT 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Antje Breitenstein et al.

Serial No: Art Unit:

Filing Date:

Title: METHOD FOR THE DETECTION OF LEGIONELLA-TYPE
BACTERIA

Priority Application: Country: Germany; No.: 103 38 123.6; Filing Date: August 15,
2003

PCT Application: No.: PCT/DE2004/001821 Filing Date: August 13, 2004

October 20, 2005

Attorney's Docket No.: PUG201R1

TRANSMITTAL LETTER

Hon. Commissioner of Patents and Trademarks

BOX PCT

P.O. Box 1450

Alexandria, VA 22313

SIR:

Transmitted herewith for filing is:

<X> Form PTO-1390

<X> Copy of the PCT application No. PCT/DE2004/001821 as published – Publication No.
WO 2005/017194 (8 pages of the specification, 1 page of claims, and 1 drawing sheet)

<X> English Translation of PCT application No. PCT/DE2004/001821 (9 pages of the
specification, 1 page of Abstract, 1 page of claims, and 1 drawing sheet)

<X> Combined Declaration for Patent Application and Power of Attorney (2 pages)

<> **Applicant claims small entity status. The fees indicated above are reduced by 1/2**

<X> Assignment **\$ 40.00**

<X> Recordation Form Cover Sheet (PTO- 1595)

<X> Request to Accept Patent Application for Entering U.S. National Phase under 35 USC § 371

<X> Claim of Priority

<X> Form PTO-1449

<X> Copy of the International Search Report and references cited therein

<X> Information Disclosure Submission dated October 19, 2005

<X> Fees in the amount of **\$640.00** are to be charged to a credit card. Form PTO-2038 is enclosed

(X) The applicant hereby petitions the Commissioner of Patents and Trademarks to extend the time for response to any Office Action outstanding in the above captioned matter as necessary to avoid abandonment of the application. Please charge my deposit account No.11-0224 in the amount required to cover the cost of the extension. Any deficiency or overpayment should be charged or credited to the above account.

(X) The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16, and 1.17, after a mailing of a Notice of Allowance under 37 CFR 18 or any additional fees which may be required during the entire pendency of the application, or credit any overpayment, to Acct. No.11-0224. A duplicate copy of this sheet is enclosed. If and only if account funds should be insufficient, immediately contact our associate, Lisa Zumwalt, at (703)415-0579, who will pay immediately to avoid deprivation of rights.

() Please charge my Deposit Account No.11-0224 in the amount of \$_____. A duplicate copy of this sheet is enclosed. A signature or signatures required for the above recited document(s) is (are) provided herebelow. Such signature(s) also provide(s) ratification for any required signature appearing to be defective in the above recited document(s).

Horst M. Kasper

JC20 Rec'd PCT/PTO 20 OCT 2005

Horst M. Kasper, 13 Forest Drive, Warren, N.J.07059
Reg. No. 28,559 Tel.(908)526-1717

Express Mail Certification: I hereby certify that the correspondence attached hereto is being deposited with the USPS "Express Mail Post Office to Addressee" on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231,

Deposit Date: 10-20-2005, "Express Mail Mailing Label No": E1 897 604 091 45

Signature: *Horst M. Kasper* Date: 10-20-2005

*%Pci1:d:trans1(PUG201T1(October 20, 2005(am

JC20 Rec'd PCT/PTO 20 OCT 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Antje Breitenstein et al.

Serial No:

Art Unit:

Filing Date:

Title: METHOD FOR THE DETECTION OF LEGIONELLA-TYPE
BACTERIAPriority Application: Country: Germany; No.: 103 38 123.6; Filing Date: August 15,
2003

PCT Application: No.: PCT/DE2004/001821 Filing Date: August 13, 2004

October 20, 2005

Attorney's Docket No.: PUG201R1

**REQUEST TO ACCEPT PATENT APPLICATION FOR ENTERING
UNITED STATES NATIONAL PHASE UNDER 35 USC §371**

Hon. Commissioner of Patents and Trademarks

Box PCT

P.O. Box 1450

Alexandria, Virginia 22313

SIR:

A patent application related to the above identified application was filed on August 13, 2004 under the PCT Treaty under the docket number PCT/DE2004/001821. English translation of the originally filed PCT application PCT/DE2004/001821 is not enclosed with this filing.

It is respectfully requested that the present application be treated as an application filed under the Section 35 U.S.C. § 371 for transferring a PCT application PCT/DE2004/001821, naming the United States, into the national phase and that the present application be granted any and all benefits and in particular those benefits relating to a priority recognition of prior filings under jurisdiction of treaty members and available under the Patent Cooperation Treaty (Washington Treaty), the Paris Convention

Treaty, and under the United States Code based on the filing under the Patent Cooperation Treaty of PCT application PCT/DE2004/001821.

If there should be any problems in granting the benefits available under the Patent Cooperation Treaty and/or 35 USC §371 based on such items as incompleteness of application, excessive time delays or defective application papers, then it is alternatively respectfully requested that prior to the expiration through abandonment of a filing under 35 USC §371 and under charging the required fees from deposit account, the present application be treated as an application and/or continuation application filed at a time required under any one of the sections 35 U.S.C. §111, 35 U.S.C. §363, and/or 35 U.S.C. §365(c) as applicable and that the present application be treated as a continuation or continuation-in-part application of the PCT application PCT/DE2004/001821.

Recognition of PCT national phase status or, respectively, continuation or continuation-in-part status under the PCT Treaty and/or of the claimed priority date of August 15, 2003, is respectfully requested for the patent application documents in the above captioned matter.

Respectfully submitted,
Antje Breitenstein et al.

By: _____

Horst M. Kasper

Horst M. Kasper, their attorney,
13 Forest Drive, Warren, N.J. 07059
Tel.: (908) 526-1717 Fax: (908) 526-6977
Reg. No. 28,559; Docket No.: PUG201

| | | | |
|--|--|--------------------------|---------------------|
| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2005</h3> | | Complete if Known | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Application Number | PCT/DE2004/001821 |
| | | Filing Date | AUGUST 15, 2004 |
| | | First Named Inventor | ANETTE BREITENSTEIN |
| | | Examiner Name | |
| | | Art Unit | |
| TOTAL AMOUNT OF PAYMENT (\$) | | Attorney Docket No. | PUG-201 |

METHOD OF PAYMENT (check all that apply)

☐ Check
 ☒ Credit Card
 ☐ Money Order
 ☐ None
 ☐ Other (please identify): _____

☒ Deposit Account
 Deposit Account Number: 11-0224
 Deposit Account Name: HORST M. KASPER

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17
 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | <u>640.00</u> |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|--|----------|-----------------------|
| Each claim over 20 (including Reissues) | 50 | 25 |
| Each independent claim over 3 (including Reissues) | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
 _____ - 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
 _____ - 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|---------------------|--------------------|--|-----------------|---------------|
| _____ - 100 = _____ | _____ / 50 = _____ | _____ (round up to a whole number) | x _____ = _____ | |

4. OTHER FEE(S)

| | Fees Paid (\$) |
|---|----------------|
| Non-English Specification, \$130 fee (no small entity discount) | |
| Other (e.g., late filing surcharge): _____ | |
| | <u>640.00</u> |

SUBMITTED BY

| | | | | | |
|-------------------|------------------------|-----------------------------------|---------------|-----------|---------------------|
| Signature | <u>Horst M. Kasper</u> | Registration No. (Attorney/Agent) | <u>28,559</u> | Telephone | <u>808-526-1777</u> |
| Name (Print/Type) | <u>HORST M. KASPER</u> | | | Date | <u>10/20/05</u> |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.